



A36385-PCT-USA (072819.0163)

DT03 Rec'd PCT

18 JAN 2005

PCT

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Samuel William Kingman Customer No.: 21003
Serial No. : 10/509,988 Examiner: Not Yet Assigned
Filed : September 30, 2004 Group Art Unit: Not Yet Assigned
For : PRE TREATMENT OF MULTI-PHASE MATERIALS USING HIGH FILED
STRENGTH ELECTROMAGNETIC WAVES

INFORMATION DISCLOSURE STATEMENT

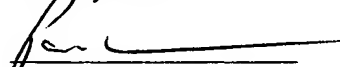
I hereby certify that this paper is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

January 12, 2005

Date of Deposit

Paul A. Ragusa

Attorney Name


Signature

38,587

Patent Reg. No.

January 12, 2005

Date of Signature

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), applicant brings to the attention of the Examiner the documents listed on the attached Form PTO 1449 and respectfully requests that the listed documents be considered by the Examiner and made of record in the above-captioned application. Copies of all of the documents listed on the Form PTO-1449 are enclosed herewith.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that the listed documents are material or constitute "prior art." If the Examiner applies the documents as prior art against any claim in the

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application and applicant determines that the cited documents do not constitute "prior art" under United States law, applicant reserves the right to present to the Office the relevant facts and law regarding the appropriate status of the documents.

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should the documents be applied against the claims of the present application.

This Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits of referenced application. Therefore, Applicant does not believe that any fee is due in connection with the submission of this paper. However, if any fee is due, or if any overpayment has been made, the Commissioner is authorized to charge any such fee or credit any overpayment, to our Deposit Account No. 02-4377. Duplicate copies of this sheet are enclosed.

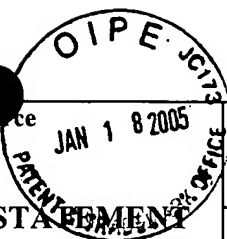
Respectfully submitted,

BAKER BOTTS L.L.P.

By: 

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Form PTO-1449 U.S. Department of Commerce
(REV. 2-82) Patent and Trademark Office



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(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

*Exam. Init.	Document No.	Date	Name	Class	Subclass	Filing Date if Appropriate
	5 8 2 4 1 5 3	10/20/98	Suda et al.	117	208	
	5 0 0 3 1 4 4	03/26/91	Lindroth et al.	219	679	

FOREIGN PATENT DOCUMENT

Document No.	Date	Name	Class	SubClass	Translator Yes No
9 7 3 4 0 1 9	09/18/97	WO			
9 2 1 8 2 4 9	10/29/92	WO			
0 0 4 1 8 4 1	12/16/81	EP			

OTHER DOCUMENTS (including Author, Title Date, Pertinent Pages, Etc.)

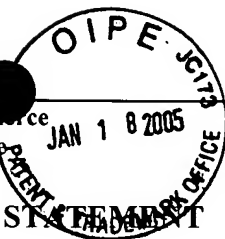
	Kingman et al. (2000) "The effect of microwave radiation on the magnetic properties of minerals," Journal of Microwave and Electromagnetic Energy, 35(3): 144-150.
	Kingman et al. (2000) "The Influence of Mineralogy on Microwave Assisted Grinding. Minerals Engineering," 13(3): 313-327.
	Bearman R. A. (1999) "The use of the point load test for the rapid estimation of Mode I fracture toughness," International Journal of Rock mechanics and Mining Sciences, 36: 257-263.
	Kingman et al. (1999) "Effects of Microwave Radiation upon the Mineralogy and Magnetic Processing of a Massive Norwegian Ilmenite Ore," Magnetic and Electrical Separation, 9: 131-148.
	Kingman et al. (1998) "Microwave Treatment of Minerals-A Review," Minerals Engineering, 11: 1081-1087.
	Bearman et al. (1997) "The application of rock mechanics parameters to the prediction of comminution behaviour," Minerals Engineering 10(3): 255-264.
	Kingman et al. (1997) "Applications of Microwave Radiation to Enhance Performance of Mineral Separation Processes," Innovates in Physical Separation of Minerals.
	Salsman et al. (1996) "Short-Pulse Microwave Treatment of Disseminated Sulfide Ores," Minerals Engineering, 9(1): 43-54.
	Fitzgibbon et al. (1990) "Thermally Assisted Liberation of Minerals-A Review," Minerals Engineering, 3(1/2): 181-185.

Examiner

Date Considered

* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

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		Chen et al. (1984) "The Relative Transparency of Minerals to Microwave Radiation," Can. Metall. Quart., 23(1): 349- 351.
		Bieniawski Z. T. (1975) "The Point-Load Test in Geotechnical Practice," Engineering Geology, 9: 1-11.
		Broch et al. (1972) "The Point-Load Strength Test," International Journal of Rock Mechanics and Mining Sciences , 9: 669-697.
		Walkiwicz et al. (1988) "Microwave Heating Characteristics of Selected Minerals and Compounds," Minerals and Metallurgical Processing 5(1): 39- 42.

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